(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 25 August 2005 (25.08.2005)

PCT

(10) International Publication Number WO 2005/078647 A1

- (51) International Patent Classification⁷: G06K 19/073, G06F 12/14, G07F 7/12
- (21) International Application Number:

PCT/SE2005/000141

- (22) International Filing Date: 7 February 2005 (07.02.2005)
- (25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0400308-3 12 February 2004 (12.02.2004) 60/543,545

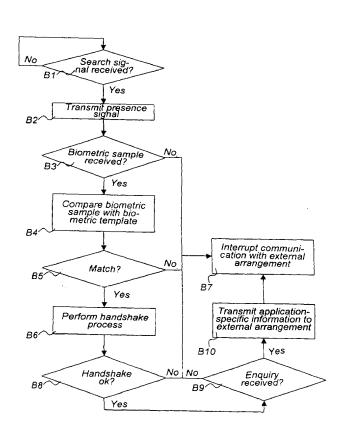
SE 12 February 2004 (12.02.2004) US

(71) Applicant (for all designated States except US): PRE-CISE BIOMETRICS AB [SE/SE]; Scheelevägen 19C, S-223 70 Lund (SE).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): ANDERSSON, Jonas [SE/SE]; V:a Fasanvägen 15, S-236 42 Höllviken (SE).
- (74) Agent: AWAPATENT AB; Box 5117, SE-200 71 Malmö (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: PORTABLE DATA CARRIER, EXTERNAL ARRANGEMENT, SYSTEM AND METHODS FOR WIRELESS DATA TRANSFER



(57) Abstract: A portable data carrier (10) and a method (B1-B10), as well as a storage medium with instructions, for transferring data by means of a portable data carrier are provided. The portable data carrier comprises a carrier storage (12) for storing data containing a biometric template (13) and an application-specific function (15) as well as carrier communication means (11) for contactless receipt and transmission of data. The portable data carrier is characterised in that it further comprises carrier processing means (16) for comparing the biometric template with a biometric sample (23) received from an external arrangement (20), and that it is arranged to complete a handshake process with the external arrangement as well as perform the application-specific function and transmit a result of the same to the external arrangement, only if the biometric sample matches the biometric template.



WO 2005/078647 A1

WO 2005/078647 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

with international search report